

IN THE CLAIMS

Please amend the claims as follows:

33. A method of increasing localized bloodflow in tissues to increase growth rate and repair of cells by delivering a substance that is a nitric oxide precursor selected from the group consisting of L-arginine and L-arginine derivatives, to skin comprising the step of:

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G<sup>3</sup> applying topically to the skin a delivery vehicle for the substance, said delivery vehicle containing an effective amount of the substance of to increase localized tissue bloodflow when combined with a concentration of an agent sufficient to create a hostile biophysical environment which causes the substance to migrate from the delivery vehicle to the skin where the substance is absorbed by tissue causing increased rate of repair of cells in the area surrounding the skin wherein the substance was applied.

(NE) 42. A method of treating impotence in a male comprising:

delivering a substance that is a nitric oxide precursor selected from the group consisting of L-arginine and L-arginine derivatives to the penis by topically applying to the penis a delivery vehicle for the substance, said delivery vehicle containing an effective amount of the substance to increase penis bloodflow when combined with a concentration of an agent sufficient to create

a hostile biophysical environment which causes the substance to migrate from the vehicle to the penis where the substance is absorbed by tissue.

51. A method of promoting hair growth comprising:

delivering a substance that is a nitric oxide precursor selected from a group consisting of L-arginine and L-arginine derivatives, wherein a selected area of the skin where hair growth is desired by topically applying to the selected area of skin where hair growth is desired a delivery vehicle for the substance, said delivery vehicle containing an effective amount of the substance to increase localized tissue bloodflow when combined with a concentration of an agent sufficient to create a hostile biophysical environment which causes the substance to migrate from the vehicle to the selected area skin where the substance is absorbed by tissue. lied.

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A method of delivering a substance that is a nitric oxide precursor selected from the group consisting of L-arginine and L-arginine derivatives, to skin comprising the step of topically applying to the skin a delivery vehicle for the substance, said delivery vehicle containing an effective amount of the substance of 0.25 % to 25% by weight within a packaging selected from the group consisting of a liposome, emulsion of collagen, or collagen peptides said packaging being at a concentration sufficient to create an hostile biophysical

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environment which causes the liposome to migrate from the delivery vehicle to the skin where the substance is released from the packaging and absorbed by tissue.

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64. A method of topically treating a medical condition comprising the steps of:  
selecting a condition from the group consisting of baldness, poor localized blood flow, leg ulcers, superficial wounds, sexual dysfunction and erectile dysfunction;

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selecting a nitric oxide precursor means;  
selecting a means of delivering the substance to the skin; and,  
applying topically to the skin having the selected condition, an effective amount of the nitric oxide precursor means, the nitric oxide precursor means being 0.25% to 25% by weight of the means of delivering the substance to the skin.

65. The method of topically treating a medical condition of claim 64 further comprising the step of:

selecting a means of producing a hostile biophysical environment which increases the migration of the nitric oxide precursor means into the skin.

66. The method of topically treating a medical condition of claim 65 wherein the means of producing a hostile biophysical environment is an ionic salt having a concentration of 0.25 to 25% of the means of delivering the substance to the skin.

67. The method of topically treating a medical condition of claim 66 wherein the nitric oxide precursor means is selected from the group consisting of D,L-arginine, L-arginine, alkyls of L-arginine, esters of L-arginine, and salts of L-arginine.

68. The method of topically treating a medical condition of claim 67 wherein the alkyls of L-arginine are selected from the group consisting of ethyl, methyl, propyl, isopropyl, butyl, isobutyl, and t-butyl.

69. The method of topically treating a medical condition of claim 67 wherein the salts of L-arginine are selected from the group consisting of hydrochloride, glutamate, butyrate, and glycolate.

70. The method of increasing localized blood flow in tissues to increase growth and repair of cells of claim 33 wherein an effective amount of the substance is 0.25 to 25% by weight of the delivery vehicle.

71. The method of increasing localized bloodflow in tissues to increase growth and repair of cells of claim 33 wherein the agent is a salt selected from the group consisting of sodium chloride, choline chloride, potassium chloride, lithium chloride, magnesium chloride, L-arginine chloride, L-arginine gluamate, L-arginine butyrate, L-arginine glutamate and mixtures thereof.

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72. The method of increasing localized bloodflow in tissues to increase growth and repair of cells of claim 71 wherein the agent has a concentration of 0.25 to 25% by volume of the delivery vehicle.

73. The method of increasing localized bloodflow in tissues to increase growth and repair of cells of claim 33 wherein the agent is selected from a group consisting of a high ionic strength environment, neutralization of L-arginine's charge in a complex, inclusion in a liposome, high pH, low pH, pharmaceutically acceptable acids, pharmaceutically acceptable bases, highly hydrophobic environments, polylysine, polyglutamine, polyaspartate, copolymers of charged amino acids, oleoresin, and capsicum.

74. The method of treating impotence of claim 42 wherein an effective amount of the substance is 0.25 to 25% by weight of the delivery vehicle.

75. The method of treating impotence of claim 42 wherein the agent is a salt selected from the group consisting of sodium chloride, choline chloride, potassium chloride, lithium chloride, magnesium chloride, L-arginine chloride, L-arginine gluamate, L-arginine butyrate, L-arginine glutamate and mixtures thereof.

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76. The method of treating impotence of claim 75 wherein the agent has a concentration of 0.25 to 25% by volume of the delivery vehicle.

77. The method of treating impotence of claim 42 wherein the agent is selected from a group consisting of a high ionic strength environment, neutralization of L-arginine's charge in a complex, inclusion in a liposome, high pH, low pH, pharmaceutically acceptable acids, pharmaceutically acceptable bases, highly hydrophobic environments, polylysine, polyglutamine, polyaspartate, copolymers of charged amino acids, oleoresin, and capsicum.

78. The method of promoting hair growth of claim 51 wherein an effective amount of the substance is 0.25 to 25% by weight of the delivery vehicle.

79. The method of promoting hair growth of claim 51 wherein the agent is a salt selected from the group consisting of sodium chloride, choline chloride, potassium chloride, lithium chloride, magnesium chloride, L-arginine chloride, L-arginine gluamate, L-arginine butyrate, L-arginine glutamate and mixtures thereof.

80. The method of promoting hair growth of claim 79 wherein the agent has a concentration of 0.25 to 25% by volume of the delivery vehicle.

81. The method promoting hair growth of claim 51 wherein the agent is selected from a group consisting of a high ionic strength environment, neutralization of L-arginine's charge in a complex, inclusion in a liposome, high pH, low pH, pharmaceutically acceptable acids, pharmaceutically acceptable bases, highly hydrophobic environments, polylysine, polyglutamine, polyaspartate, copolymers of charged amino acids, oleoresin, and capsicum.

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